



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Seaman Corporation
1000 Venture Boulevard
Wooster, OH 44691

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: FiberTite Brite Single Ply Roof Systems over Steel Decks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 26.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 15-0421.07
Expiration Date: 06/16/21
Approval Date: 06/16/16
Page 1 of 26

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Single Ply
Material: PVC
Deck Type: Steel
Maximum Design Pressure -90 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
FiberTite Brite	75" x 100'	ASTM D 4434	Polyester reinforced, PVC single ply membrane with a nominal 1-mil thick Kynar fluoropolymer top finish.
FTR 490	5 gal. pails	Proprietary	One side "substrate only" fleece backed water based adhesive
FTR 601		Proprietary	Elastomeric, One step foamable adhesive
FTR 601 PG		Proprietary	Two component, VOC free, polyurethane foamable adhesive.
VaporTite	45" x 133'	Proprietary	A self-adhering air/vapor barrier membrane composed of a SBS modified bitumen adhesive bottom layer and a tri-laminated woven polyethylene top layer
FTB Non-Reinforced	0.060" x 54" x 24'	ASTM D 4434	Non-reinforced flashing accessory
FiberClad	48" x 120"	N/A	Polymeric coated G-90 galvanized steel or stainless steel
Tuff Trac	5/32" x 36" x 40' 1/4" x 24" x 48"	N/A	Vinyl walk way vinyl protection pad



APPROVED INSULATIONS:**TABLE 2**

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer</u> <u>(With Current NOA)</u>
FTR-Value, FTR-Value A, FTR-Value IV A, FTR-Value H, FTR-Value H Glass Facer	Isocyanurate Insulation	Seaman Corporation
ACFoam–II, ACFoam-IV	Isocyanurate Insulation	Atlas Roofing Corporation
DensDeck, DensDeck Prime	Silicon treated gypsum	Georgia-Pacific Gypsum LLC
Ultra-Max, Multi-Max FA-3, Tapered Thermarroof-3	Polyisocyanurate foam insulation	Rmax Operating, LLC
SECUROCK Gypsum-Fiber Roof Board	Gypsum Coverboard	USG Corporation
SECUROCK Glass-Mat Roof Board	Gypsum Coverboard	USG Corporation
H-Shield, H-Shield WF, H-Shield NB	Polyisocyanurate insulation	Hunter Panels, LLC
H-Shield HD	High density polyisocyanurate insulation	Hunter Panels, LLC
ENRGY 3, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF 25 PSI, R-Panel, Fesco Foam	Polyisocyanurate Insulation	Johns Manville Corporation
ValuTherm, ValuTherm AGF, ValuTherm CGF, ValuTherm AGF 25 PSI, ValuTherm CGF 25 PSI	Polyisocyanurate Insulation	Johns Manville Corporation
DuraBoard, Retro-Fit Board, Fesco Board, Fesco Board HD	Expanded mineral fiber board	Johns Manville Corporation
RetroPlus Board	Perlite insulation	Johns Manville Corporation
ISO 95+ GL	Polyisocyanurate insulation	Firestone Building Products Company, LLC
GenFlex ISO Insulation	Polyisocyanurate insulation	GenFlex Roofing Systems
XPS	Type IV Extruded polystyrene with a minimum density of 1.5 pcf	Generic
Structodeck High Density Fiberboard	Wood fiberboard	Blue Ridge Fiberboard, Inc.
EnergyGuard RA Composite	Polyisocyanurate composite insulation	GAF



APPROVED FASTENERS:

TABLE 3

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Dimensions</u>	<u>Manufacturer (With Current NOA)</u>
1.	FTR Magnum	Membrane fastener	Various	Seaman Corporation
2.	FTR #14	Membrane fastener	Various	Seaman Corporation
3.	FTR Magnum plate	Galvalume AZ50 stress plate	1.5" x 2.5"	Seaman Corporation
4.	Dekfast 14	Insulation and membrane fasteners	Various	SFS Intec, Inc.
5.	Dekfast Galvalume Steel Hex	Galvalume AZ50 steel plate	2 7/8" x 3 1/4"	SFS Intec, Inc.
6.	OMG Heavy Duty	Self-drilling fastener for use in steel, wood or concrete decks	Various	OMG, Inc.
7.	OMG 3-in Galvalume Steel Plate	Galvalume coated steel plate	3" round	OMG, Inc.
8.	OMG 3-in Ribbed Galvalume Plate	Galvalume coated steel plate	3" round	OMG, Inc.
9.	Dekfast #15 HS	Self-drilling, carbon fastener	Various	SFS Intec, Inc.
10.	Flat Bottom Plate	Aluminized steel plate	3" square	OMG, Inc.
11.	#12 Standard Stainless Steel	Stainless steel fastener for use in steel or wood	Various	OMG, Inc.
12.	FTR Magnum T	#15 threaded fastener	Various	Seaman Corp.
13.	Trufast #15 EHD fasteners	Insulation fastener for wood, steel and concrete decks	Various	Altenloh, Brinck & Co. U.S., Inc.
14.	Dekfast Galvalume Steel 3" Round Plate	Galvalume AZ50 stress plate	3" round	SFS Intec, Inc.
15.	FTR 3-in Steel Plate	Galvalume AZ50 stress plate	3" round	Seaman Corp.
16.	Trufast #12 DP Fastener	Tru-Kote PC-3 coated, carbon steel fastener	Various	Altenloh, Brinck & Co. U.S., Inc.
17.	Trufast 3" Metal Insulation Plate	Galvalume AZ50 stress plate	3" round	Altenloh, Brinck & Co. U.S., Inc.
18.	Accutrac Plate	Galvalume coated steel plate	3" square	OMG, Inc.
19.	OMG 3-in Ribbed Galvalume Plate (flat)	Galvalume coated steel plate	3" round	OMG, Inc.
20.	OMG #12 Standard Roofgrip	CR-10 coated, carbon steel fastener	Various	OMG, Inc.

APPROVED FASTENERS:**TABLE 3**

<u>Fastener Number</u>	<u>Product Name</u>	<u>Product Description</u>	<u>Dimensions</u>	<u>Manufacturer (With Current NOA)</u>
21.	Trufast #14 HD Fastener	Insulation fastener for steel and wood decks	Various	Altenloh, Brinck & Co. U.S., Inc.
22.	Accutrac Hextra	Carbon steel fastener	Various	OMG, Inc.
23.	Accutrac Flat Bottom	Galvalume steel plate	3" square	OMG, Inc.
24.	OMG XHD	Self-drilling fastener for use in steel or wood decks	Various	OMG, Inc.
25.	#15 Roofgrip	Carbon steel fastener	Various	OMG, Inc.
26.	OMG RhinoBond Insulation Plate (PVC)	Polymeric coated plate used to heat weld membrane.	3" round	OMG, Inc.
27.	OMG RhinoBond TreadSafe Plate (PVC)	Polymeric coated plate used to heat weld membrane.	3" round	OMG, Inc.
28.	#14 Roofgrip	CR-10 coated, carbon steel fastener for use in metal, wood or concrete	Various	OMG, Inc.
29.	3 in. Round Metal Plate	Round galvalume steel stress plate	3" round	OMG, Inc.
30.	Recessed Metal Plate	Galvalume steel plate	3" square	OMG, Inc.
31.	Dekfast 12	Insulation and membrane fasteners	Various	SFS Intec
32.	FTR Magnum O Fastener	Self-drilling fastener for use in steel or wood decks	Various	Seaman Corporation
33.	FTR Rhino Bond Plate	Polymeric coated plate used to heat weld membrane.	3" round	Seaman Corporation
34.	FTR Rhino Bond Treadsafe Plate	Polymeric coated plate used to heat weld membrane.	3" round	Seaman Corporation
35.	FTR #14 T	Insulation fastener for steel and wood decks	Various	Seaman Corporation
36.	FTR IPM T	Galvalume AZ50 stress plate	3" round	Seaman Corporation

EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corp.	FM 4470	3024311	11/01/06
	FM 4470	3040666	12/13/11
	FM 4470	3046131	10/17/12
	FM 4470	3048494	11/19/13
	FM 4470	3045983	10/18/12
	FM 4470	3024311	11/01/06
Underwriters Laboratories	UL 790	10NK11734	09/01/11
Trinity ERD	ASTM D 4434	S33120.03.11	03/11/11

DECK STRESS ANALYSIS CALCULATIONS/REPORTS

<u>Engineer/Agency</u>	<u>Identifier</u>	<u>Assemblies</u>	<u>Date</u>
Factory Mutual Research Corp.	RoofNav Listings	B(4), B(5), B(6), C(2), C(3), C(4), C(5), C(6), C(7), C(8)	12/28/15



APPROVED ASSEMBLIES

Membrane Type:	Single Ply, PVC
Deck Type 2I:	Steel Decks, Insulated
Deck Description:	Min. 18-22 ga. 33 ksi. steel
System Type B(1):	Base layer of insulation mechanically attached, top layer adhered; membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board Minimum 0.5" thick	1, 2, 4, 6, 9, 12, 14, 20, 21, 22, 24, 25, 28, 32, 35	1:4 ft²

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

Vapor Barrier: VaporTite, self-adhered over SECUROCK Gypsum-Fiber Roof Board.
(Optional)

<u>Middle Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value, ENRGY-3 Minimum 1.5" thick	N/A	N/A

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	N/A	N/A

Note: All insulation shall be adhered in ¾" to 1" wide beads spaced 12" o.c. of FTR 601, FTR 601 PG, Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite Brite adhered with FTR-490 water based adhesive at 0.83 gal/sq (0.3 l/m²).
Minimum 3-inch side laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -45 psf (See General Limitation #9.)

Membrane Type: Single Ply, PVC
Deck Type 2I: Steel Decks, Insulated
Deck Description: Min. 18-22 ga. 33 ksi. steel
System Type B(2): Base layer of insulation mechanically attached, top layer adhered; membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board Minimum 0.5" thick	6, 11, 16, 24, 25, 32	1:2 ft ²
DensDeck or DensDeck Prime Minimum 0.25" thick	6, 11, 16, 24, 25, 32	1:2 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	N/A	N/A

Note: Top insulation shall be adhered in ½" to 1" wide beads spaced 12" o.c. of FTR FTR 601, FTR 601 PG, Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite Brite adhered with FTR-490 water based adhesive at 0.83 gal/sq (0.3 l/m²).
 Minimum 3-inch side laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -45 psf (See General Limitation #9.)



Membrane Type:	Single Ply, PVC
Deck Type 2I:	Steel Decks, Insulated
Deck Description:	Min. 18-22 ga. 33 ksi. steel
System Type B(3):	Base layer of insulation mechanically attached, top layer adhered; membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, FTR-Value IV A Minimum 2" thick	2, 4, 6, 11, 16, 20, 24, 28, 31, 32	1:2.67 ft ²
H-Shield, FTR-Value H, FTR-Value, ENRGY-3, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF 25 PSI, R-Panel, ValuTherm, ValuTherm AGF, ValuTherm CGF, ValuTherm AGF 25 PSI, ValuTherm CGF 25 PSI (flat or tapered) Minimum 2" thick	2, 4, 6, 11, 16, 20, 24, 28, 31, 32	1:2.67 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Primer or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	N/A	N/A

Note: Top insulation shall be adhered in ½" to 1" wide beads spaced 12" o.c. of FTR 601, FTR 601 PG, Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite Brite adhered with FTR-490 water based adhesive at 0.83 gal/sq (0.3 l/m²).
Minimum 3-inch side laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -45 psf (See General Limitation #9.)



Membrane Type:	Single Ply, PVC
Deck Type 2I:	Steel Decks, Insulated
Deck Description:	Min. 18-22 ga. Type WR, Grade 33 steel deck secured to structural supports spaced 6' o.c. Deck secured with ITW Buildex Traxx/5 fasteners spaced 6" o.c. Deck side laps secured with Traxx/1 fasteners spaced 24" o.c. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type B(4):	Base layer of insulation mechanically attached, top layer adhered; membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-II, ACFoam-IV, FTR-Value IV A, FTR-Value IV A Minimum 2" thick	2, 4, 6, 11, 16, 20, 21, 24, 28, 32, 35	1:1.33 ft ²
H-Shield, FTR-Value H, FTR-Value, ENRGY-3, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF 25 PSI, R-Panel, ValuTherm, ValuTherm AGF, ValuTherm CGF, ValuTherm AGF 25 PSI, ValuTherm CGF 25 PSI (flat or tapered) Minimum 2" thick	2, 4, 6, 11, 16, 20, 21, 24, 28, 32, 35	1:1.33 ft ²

Note: Base insulation layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	N/A	N/A

Note: Top insulation layer shall be adhered in ½" to 1" wide beads spaced 12" o.c. of FTR 601, FTR 601 PG, Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite Brite adhered with FTR-490 water based adhesive at 0.83 gal/sq (0.3 l/m²).
Minimum 3-inch side laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -60 psf (See General Limitation #7.)



Membrane Type: Single Ply, PVC

Deck Type 2I: Steel Decks, Insulated

Deck Description: Min. 18-22 ga. Type WR, Grade 33 steel deck secured to structural supports spaced 6' o.c. Deck secured with ITW Buildex Traxx/5 fasteners spaced 6" o.c. Deck side laps secured with Traxx/1 fasteners spaced 24" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type B(5): Base layer of insulation mechanically attached, top layer adhered; membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ISO 95+ GL or GenFlex ISO Insulation Minimum 2" thick	2, 4, 6, 21, 24, 25, 28, 32, 35	1:1.33 ft ²

Note: Base insulation layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.25" thick	N/A	N/A

Note: Top insulation layer shall be adhered in ½" to 1" wide beads spaced 12" o.c. of FTR 601, FTR 601 PG, Millennium One Step Foamable Insulation Adhesive or Millennium PG-1 Low Viscosity Insulation Adhesive. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Membrane: FiberTite Brite adhered with FTR-490 water based adhesive at 0.83 gal/sq (0.3 l/m²).
Minimum 3-inch side laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -60 psf (See General Limitation #7.)



Membrane Type: Single Ply, PVC

Deck Type 2I: Steel Decks, Insulated

Deck Description: Min. 18-22 ga. Type WR, Grade 80 steel deck secured to structural supports spaced 6' o.c. Deck secured with ITW Buildex Traxx/5 fasteners spaced 6" o.c. Deck side laps secured with Traxx/1 fasteners spaced 12" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type B(6): Base layer of insulation mechanically attached, top layer adhered; membrane adhered

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
ACFoam-IV, FTR-Value IV A Minimum 2" thick	21, 24, 25, 32, 35	1:1 ft ²

Note: Base insulation layer shall be mechanically attached with fasteners and density described above. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details).

Membrane: FiberTite Brite adhered with FTR-490 water based adhesive at 0.83 gal/sq (0.3 l/m²). Minimum 3-inch side laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -90 psf (See General Limitation #7.)



Membrane Type: Single Ply, PVC
Deck Type 2I: Steel Decks, Insulated
Deck Description: Min. 18-22 ga. 33 ksi. steel
System Type C(1): All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value A, ACFoam-II or any approved polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board, DensDeck, DensDeck Prime, H-Shield HD Minimum 0.25" thick	N/A	N/A

Note: All insulation shall have preliminary attachment prior to the application of OMG RhinoBond Plates or FTR Rhino Bond Plates and fasteners as outlined below. See membrane description for fastener details. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: FiberTite Brite cover shall be welded to bonding plates as specified below:

Fastening: Insulation shall be mechanically attached with OMG XHD fasteners and RhinoBond Insulation Plates (PVC), RhinoBond TreadSafe Plates (PVC) or FTR Magnum O Fasteners and FTR Rhino Bond Plates, FTR Rhino Bond Treadsafe Plates spaced 2' o.c. in staggered fastener rows spaced 3' o.c. Membrane shall be bonded to plates with electromagnetic induction welding tool. Minimum 3-inch side laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -45 psf (See General Limitation #9)



Membrane Type: Single Ply, PVC

Deck Type 2I: Steel Decks, Insulated

Deck Description: Min. 18-22 ga. Type WR, Grade 33 steel deck attached to ¼” thick structural steel supports spaced 6’ o.c. attached with ITW Traxx/5 fasteners spaced min. 6 in. o.c. Deck side laps secured with ITW Traxx/1 fasteners spaced max. 24” o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(2): All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Retro-Fit Board, RetroPlus Board Minimum 0.5” thick	N/A	N/A
Fesco Board (homogeneous) Minimum 0.75” thick	N/A	N/A
Structodeck High Density Fiberboard, DuraBoard, Fesco Board HD Minimum 1” thick	N/A	N/A
FTR-Value, FTR-Value A, FTR-Value H, FTR-Value H Glass Facer, ACFoam-II, EnergyGuard RA Composite, H-Shield WF, H-Shield NB, ENRGY-3, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF 25 PSI, R-Panel, ValuTherm, ValuTherm AGF, ValuTherm CGF, ValuTherm AGF 25 PSI, ValuTherm CGF 25 PSI, Multi-Max FA-3, Tapered Thermarroof-3, Ultra-Max, Fesco Board (laminated), Fesco Foam Minimum 1.5” thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board, DensDeck, DensDeck Prime, H-Shield HD Minimum 0.25” thick	N/A	N/A

Note: All insulation shall have preliminary attachment prior to the application of OMG RhinoBond Plates or FTR Rhino Bond Plates and fasteners as outlined below. See membrane description for fastener details. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.



- Membrane:** FiberTite Brite cover shall be welded to bonding plates as specified below:
- Fastening #1:** Insulation shall be mechanically attached with OMG XHD fasteners and RhinoBond Insulation Plates (PVC), RhinoBond TreadSafe Plates (PVC) or FTR Magnum O Fasteners and FTR Rhino Bond Plates, FTR Rhino Bond Treadsafe Plates spaced 12" o.c. in fastener rows spaced 72" o.c. Membrane shall be bonded to plates with electromagnetic induction welding tool. Laps are sealed with 1.5-inch heat weld.
(Maximum Design Pressure: -52.5 psf. (See General Limitation #7))
- Fastening #2:** Insulation shall be mechanically attached with OMG XHD fasteners and RhinoBond Insulation Plates (PVC), RhinoBond TreadSafe Plates (PVC) or FTR Magnum O Fasteners and FTR Rhino Bond Plates, FTR Rhino Bond Treadsafe Plates spaced 6" o.c. in fastener rows spaced 72" o.c. Membrane shall be bonded to plates with electromagnetic induction welding tool. Laps are sealed with 1.5-inch heat weld.
(Maximum Design Pressure: -60.0 psf. (See General Limitation #7))
- Maximum Design Pressures:** See Fastening Options. (See General Limitation #7)

Membrane Type: Single Ply, PVC

Deck Type 2I: Steel Decks, Insulated

Deck Description: Min. 18-22 ga., Type WR, Grade 80 steel deck attached to structural steel supports spaced 6' o.c. attached with ITW Traxx/5 fasteners spaced 6" o.c. Deck side laps secured with ITW Traxx/1 fasteners spaced max. 24" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(3): All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
FTR-Value A, AC Foam-II or any approved polyisocyanurate Listed in Table 2 Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board, DensDeck, DensDeck Prime, H-Shield HD Minimum 0.25" thick	N/A	N/A

Note: All insulation shall have preliminary attachment prior to the application of OMG RhinoBond Plates or FTR Rhino Bond Plates and fasteners as outlined below. See membrane description for fastener details. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: FiberTite Brite shall be welded to bonding plates as specified below:

Fastening: Insulation shall be mechanically attached with OMG XHD fasteners and RhinoBond Insulation Plates (PVC), RhinoBond TreadSafe Plates (PVC) or FTR Magnum O Fasteners and FTR Rhino Bond Plates, FTR Rhino Bond Treadsafe Plates spaced 2' o.c. in staggered fastener rows spaced 2' o.c. Membrane shall be bonded to plates with electromagnetic induction welding tool. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -67.5 psf (See General Limitation #7)



Membrane Type:	Single Ply, PVC
Deck Type 2I:	Steel Decks, Insulated
Deck Description:	Min. 20 ga. Type WR, Grade 33 steel deck attached to structural steel supports spaced 6' o.c. attached with ITW Traxx/5 fasteners spaced min. 6 in. o.c. Deck side laps secured with ITW Traxx/1 fasteners spaced max. 24" o.c. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(4):	All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Retro-Fit Board, RetroPlus Board Minimum 0.5" thick	N/A	N/A
Fesco Board (homogeneous) Minimum 0.75" thick	N/A	N/A
Structodeck High Density Fiberboard, DuraBoard, Fesco Board HD Minimum 1" thick	N/A	N/A
FTR-Value, FTR-Value A, FTR-Value H, FTR-Value H Glass Facer, ACFoam-II, EnergyGuard RA Composite, H-Shield WF, H-Shield NB, ENRGY-3, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF 25 PSI, R-Panel, ValuTherm, ValuTherm AGF, ValuTherm CGF, ValuTherm AGF 25 PSI, ValuTherm CGF 25 PSI, Multi-Max FA-3, Tapered Thermarroof-3, Ultra-Max, Fesco Board (laminated), Fesco Foam Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board, DensDeck, DensDeck Prime, H-Shield HD Minimum 0.25" thick	N/A	N/A

Note: All insulation shall have preliminary attachment prior to the application of OMG RhinoBond Plates or FTR Rhino Bond Plates and fasteners as outlined below. See membrane description for fastener details. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: FiberTite Brite cover shall be welded to bonding plates as specified below:



Fastening: Insulation shall be mechanically attached with OMG XHD fasteners and RhinoBond Insulation Plates (PVC), RhinoBond TreadSafe Plates (PVC) or FTR Magnum O Fasteners and FTR Rhino Bond Plates, FTR Rhino Bond Treadsafe Plates spaced 6" o.c. in fastener rows spaced 72" o.c. Membrane shall be bonded to plates with electromagnetic induction welding tool. Laps are sealed with 1.5-inch heat weld.

Maximum Design Pressures: -75.0 psf. (See General Limitation #7)



Membrane Type:	Single Ply, PVC
Deck Type 2I:	Steel Decks, Insulated
Deck Description:	Min. 22 ga. Type WR, Grade 33 steel deck attached to structural steel supports spaced 4' o.c. attached with ITW Traxx/5 fasteners spaced min. 6 in. o.c. Deck side laps secured with ITW Traxx/1 fasteners spaced max. 24" o.c. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(5):	All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Retro-Fit Board, RetroPlus Board Minimum 0.5" thick	N/A	N/A
Fesco Board (homogeneous) Minimum 0.75" thick	N/A	N/A
Structodeck High Density Fiberboard, DuraBoard, Fesco Board HD Minimum 1" thick	N/A	N/A
FTR-Value, FTR-Value A, FTR-Value H, FTR-Value H Glass Facer, ACFoam-II, EnergyGuard RA Composite, H-Shield WF, H-Shield NB, ENRGY-3, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF 25 PSI, R-Panel, ValuTherm, ValuTherm AGF, ValuTherm CGF, ValuTherm AGF 25 PSI, ValuTherm CGF 25 PSI, Multi-Max FA-3, Tapered Thermarroof-3, Ultra-Max, Fesco Board (laminated), Fesco Foam Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board, DensDeck, DensDeck Prime, H-Shield HD Minimum 0.25" thick	N/A	N/A

Note: All insulation shall have preliminary attachment prior to the application of OMG RhinoBond Plates or FTR Rhino Bond Plates and fasteners as outlined below. See membrane description for fastener details. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.



Membrane:	FiberTite Brite cover shall be welded to bonding plates as specified below:
Fastening:	Insulation shall be mechanically attached with OMG XHD fasteners and RhinoBond Insulation Plates (PVC), RhinoBond TreadSafe Plates (PVC) or FTR Magnum O Fasteners and FTR Rhino Bond Plates, FTR Rhino Bond Treadsafe Plates spaced 6" o.c. in fastener rows spaced 48" o.c. Membrane shall be bonded to plates with electromagnetic induction welding tool. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressures:	-82.5 psf. (See General Limitation #7)



Membrane Type: Single Ply, PVC

Deck Type 2I: Steel Decks, Insulated

Deck Description: Min. 18-22 ga. Type WR, Grade 80 steel deck secured to structural supports spaced 6' o.c. Deck secured with ITW Buildex Traxx/5 fasteners spaced 6" o.c. Deck side laps secured with Traxx/1 fasteners spaced 24" o.c.
This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.

System Type C(6): All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following insulations:

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.5" thick	N/A	N/A
<u>Middle Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Approved XPS(min. 1.5 pcf) Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board Minimum 0.5" thick	9, 15, 25, 29, 34	1:1 ft ²

Note: All layers shall be simultaneously fastened; see top or base layer above for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.

Membrane: FiberTite Brite adhered with FTR-490 water based adhesive at 0.83 gal/sq (0.3 l/m²). Minimum 3-inch side laps are sealed with 1.5-inch heat weld.

Maximum Design Pressure: -90 psf (See General Limitation #7.)



Membrane Type:	Single Ply, PVC
Deck Type 2I:	Steel Decks, Insulated
Deck Description:	Min. 20 ga. Type WR, Grade 33 steel deck attached to structural steel supports spaced 5' o.c. attached with ITW Traxx/5 fasteners spaced min. 6 in. o.c. Deck side laps secured with ITW Traxx/1 fasteners spaced max. 24" o.c. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(7):	All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Retro-Fit Board, RetroPlus Board Minimum 0.5" thick	N/A	N/A
Fesco Board (homogeneous) Minimum 0.75" thick	N/A	N/A
Structodeck High Density Fiberboard, DuraBoard, Fesco Board HD Minimum 1" thick	N/A	N/A
FTR-Value, FTR-Value A, FTR-Value H, FTR-Value H Glass Facer, ACFoam-II, EnergyGuard RA Composite, H-Shield WF, H-Shield NB, ENRGY-3, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF 25 PSI, R-Panel, ValuTherm, ValuTherm AGF, ValuTherm CGF, ValuTherm AGF 25 PSI, ValuTherm CGF 25 PSI, Multi-Max FA-3, Tapered Thermarroof-3, Ultra-Max, Fesco Board (laminated), Fesco Foam Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board, DensDeck, DensDeck Prime, H-Shield HD Minimum 0.25" thick	N/A	N/A

Note: All insulation shall have preliminary attachment prior to the application of OMG RhinoBond Plates or FTR Rhino Bond Plates and fasteners as outlined below. See membrane description for fastener details. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.



Membrane:	FiberTite Brite cover shall be welded to bonding plates as specified below:
Fastening:	Insulation shall be mechanically attached with OMG XHD fasteners and RhinoBond Insulation Plates (PVC), RhinoBond TreadSafe Plates (PVC) or FTR Magnum O Fasteners and FTR Rhino Bond Plates, FTR Rhino Bond Treadsafe Plates spaced 6" o.c. in fastener rows spaced 60" o.c. Membrane shall be bonded to plates with electromagnetic induction welding tool. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressures:	-90.0 psf. (See General Limitation #7)



Membrane Type:	Single Ply, PVC
Deck Type 2I:	Steel Decks, Insulated
Deck Description:	Min. 18 ga. Type WR, Grade 33 steel deck attached to structural steel supports spaced 6' o.c. attached with ITW Traxx/5 fasteners spaced min. 6 in. o.c. Deck side laps secured with ITW Traxx/1 fasteners spaced max. 24" o.c. This Tested Assembly has been analyzed for allowable deck stress. See Evidence Submitted Table.
System Type C(8):	All layers of insulation simultaneously attached; membrane adhered.

All General and System Limitations apply. Roof accessories not listed in Table 1 of this NOA are not approved and shall not be installed unless said accessories demonstrate compliance with prescriptive Florida Building Code requirements and are field fabricated utilizing the approved membranes listed in Table 1.

One or more layers of the following.

<u>Base Insulation Layer</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
Retro-Fit Board, RetroPlus Board Minimum 0.5" thick	N/A	N/A
Fesco Board (homogeneous) Minimum 0.75" thick	N/A	N/A
Structodeck High Density Fiberboard, DuraBoard, Fesco Board HD Minimum 1" thick	N/A	N/A
FTR-Value, FTR-Value A, FTR-Value H, FTR-Value H Glass Facer, ACFoam-II, EnergyGuard RA Composite, H-Shield WF, H-Shield NB, ENRGY-3, ENRGY 3 AGF 25 PSI, ENRGY 3 CGF 25 PSI, R-Panel, ValuTherm, ValuTherm AGF, ValuTherm CGF, ValuTherm AGF 25 PSI, ValuTherm CGF 25 PSI, Multi-Max FA-3, Tapered Thermarroof-3, Ultra-Max, Fesco Board (laminated), Fesco Foam Minimum 1.5" thick	N/A	N/A
<u>Top Insulation Layer (Optional)</u>	<u>Insulation Fasteners (Table 3)</u>	<u>Fastener Density/ft²</u>
SECUROCK Gypsum-Fiber Roof Board, SECUROCK Glass-Mat Roof Board, DensDeck, DensDeck Prime, H-Shield HD Minimum 0.25" thick	N/A	N/A

Note: All insulation shall have preliminary attachment prior to the application of OMG RhinoBond Plates or FTR Rhino Bond Plates and fasteners as outlined below. See membrane description for fastener details. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment.



Membrane:	FiberTite Brite cover shall be welded to bonding plates as specified below:
Fastening:	Insulation shall be mechanically attached with OMG XHD fasteners and RhinoBond Insulation Plates (PVC), RhinoBond TreadSafe Plates (PVC) or FTR Magnum O Fasteners and FTR Rhino Bond Plates, FTR Rhino Bond Treadsafe Plates spaced 6" o.c. in fastener rows spaced 72" o.c. Membrane shall be bonded to plates with electromagnetic induction welding tool. Laps are sealed with 1.5-inch heat weld.
Maximum Design Pressures:	-90.0 psf. (See General Limitation #7)



STEEL DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine equivalent or enhanced fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. For steel deck application where specific deck construction is not referenced: The deck shall be a minimum 22 gage attached with 5/8" puddle welds with weld washers at every flute with maximum deck spans of 5 ft. o.c.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117 and/or RAS 137. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE